



# Mid-semester Presentation

Team H

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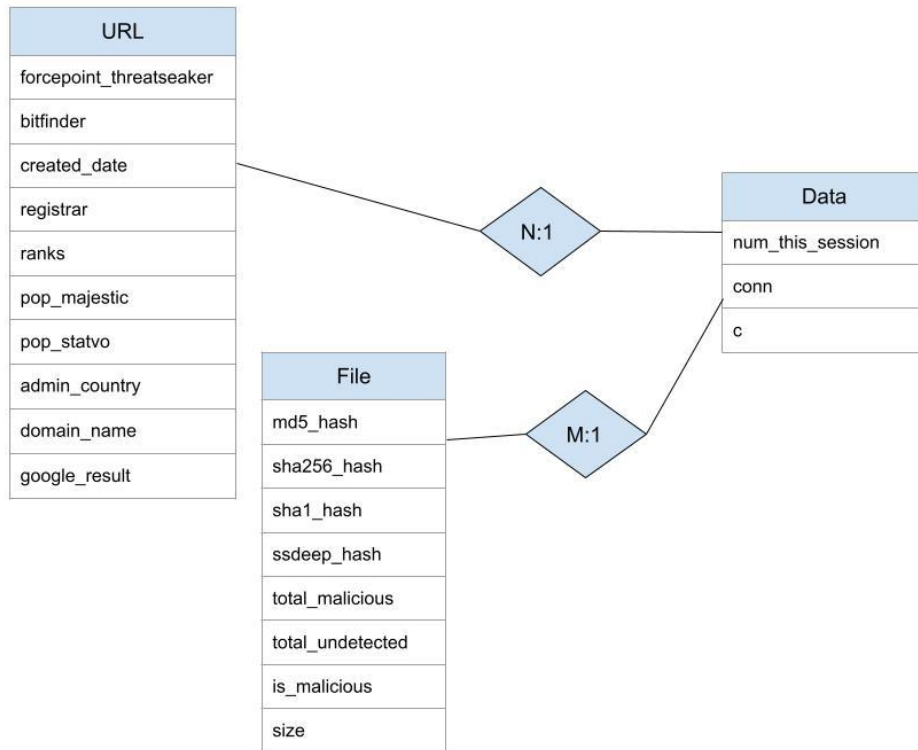
# Database



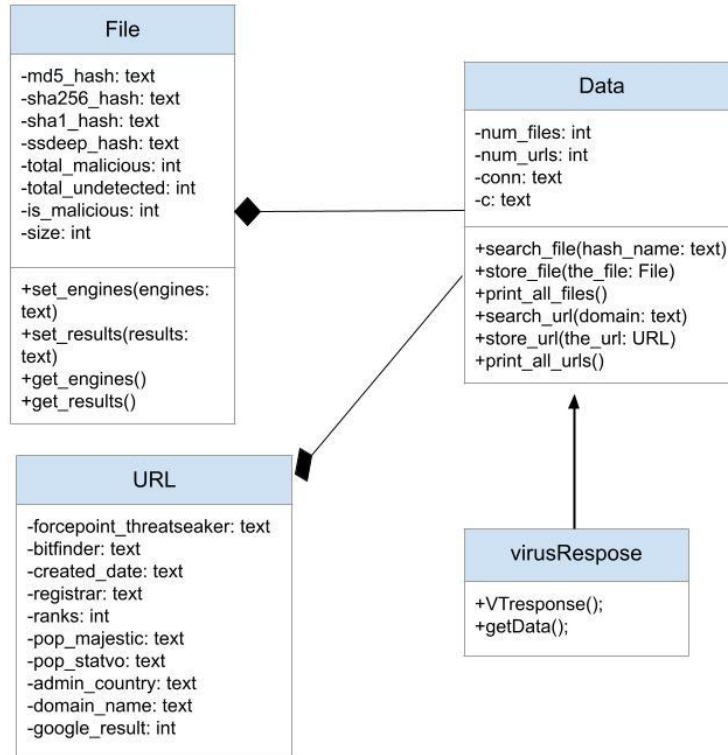
- Used sqlite3 in python
- Created File and Database classes for use in the back-end
  - Files are just containers that hold information received from VirusTotal
  - Database class has two functions: search and store
- Still need to create tables in order to hold multiple engines and their results for each file hash



# ER Diagram



# Class Diagram



# Back-End

Used Flask since we practiced with it in the homework

User can input the hash in the following formats:

- MD5
- SHA256
- SHA1
- SSDEEP

VirusTotal gets the following information:

- Number of vendors that flagged it as malicious
- Size of Hash



# Flask

# Front-End



Used Bootstrap Framework with CSS for its easy implementation.

Currently have 3 pages:

- Homepage
- Malicious Hash
- Clean Hash

Future Plans:

- Add “About” and “Documentation” Pages
- Add more information about the hash to display to user



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# Demo

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Questions?